10/541488

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER TENEGRIENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 29 July 2004 (29.07.2004)

(10) International Publication Number WO 2004/062884 A1

(51) International Patent Classification7: 47/58, 47/06

(21) International Application Number:

PCT/CA2003/001957

B29C 47/70.

(22) International Filing Date:

19 December 2003 (19.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2,416,083 2,419,703 10 January 2003 (10.01.2003) CA

21 February 2003 (21.02.2003)

(71) Applicants and

- (72) Inventors: LUPKE, Manfred, A., A. [CA/CA]; 92 Elgin Street, Thornhill, Ontario L3T 1W6 (CA). LUPKE, Stefan, A. [CA/CA]; 32 Vintage Lane, Thornhill, Ontario L3T 1Z6 (CA).
- (74) Agents: JOHNSON, Scott, T. et al.; c/o Dennison Associates, 133 Richmond Street West, Suite 301, Toronto, Ontario M5H 2L7 (CA).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

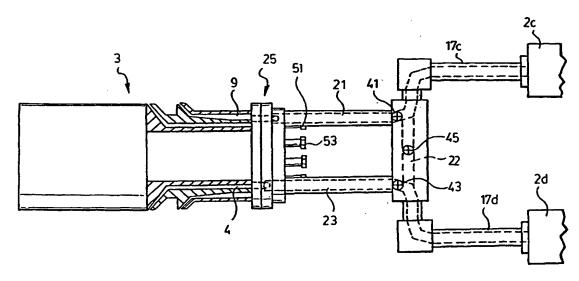
(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FLOW DISTRIBUTOR FOR DIE TOOLING OF PIPE MOLD EQUIPMENT WITH REMOTE EXTRUDER



(57) Abstract: Equipment (1) used in the molding of plastic pipe includes die tooling (3) provided with a plastic flow distributor (25) at the upper end of the die tooling. The plastic flow distributor has adjustable flow to provide an even distribution of plastic from an extruder into at least one die passage (9) within the die tooling.